

(19) World Intellectual Property Organization  
International Bureau



(43) International Publication Date  
15 September 2005 (15.09.2005)

PCT

(10) International Publication Number  
**WO 2005/085280 A3**

(51) International Patent Classification:

**C07K 14/47** (2006.01) **C12N 15/62** (2006.01)  
**A61K 38/00** (2006.01) **C07K 16/18** (2006.01)

(21) International Application Number:

PCT/US2005/006473

(22) International Filing Date: 1 March 2005 (01.03.2005)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

|            |                               |    |
|------------|-------------------------------|----|
| 60/548,191 | 1 March 2004 (01.03.2004)     | US |
| 60/647,013 | 27 January 2005 (27.01.2005)  | US |
| 60/654,229 | 18 February 2005 (18.02.2005) | US |

(71) Applicant (*for all designated States except US*): **FIVE PRIME THERAPEUTICS, INC.** [US/US]; 951 Gateway Boulevard, South San Francisco, CA 94080 (US).

(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **LEE, Ernestine** [US/US]; 226 Arlington Avenue, Kensington, CA 94707 (US). **HESTIR, Kevin** [US/US]; 226 Arlington Avenue, Kensington, CA 94707 (US). **CHU, Keting** [US/US]; 10 Tripp Court, Woodside, CA 94062 (US). **WILLIAMS, Lewis, T.** [US/US]; 125 Chapel Drive, Mill Valley, CA 94941 (US).

(74) Agent: **GARRETT, Arhtur, S.**; Finnegan, Henderson, Farabow, Garrett & Dunner LLP901 New York Avenue, NW, Washington, D.C. 20001 (US).

(81) Designated States (*unless otherwise indicated, for every kind of national protection available*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*unless otherwise indicated, for every kind of regional protection available*): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

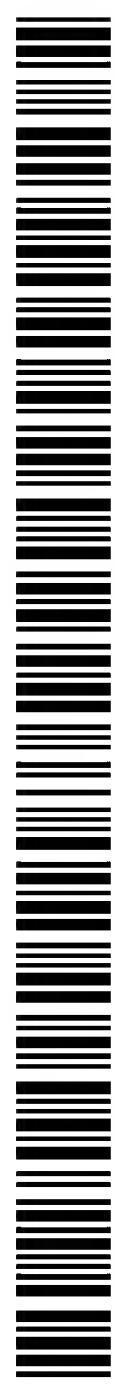
- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments
- with sequence listing part of description published separately in electronic form and available upon request from the International Bureau

(88) Date of publication of the international search report:  
10 August 2006

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: HUMAN cDNA CLONES COMPRISING POLYNUCLEOTIDES ENCODING POLYPEPTIDES AND METHODS OF THEIR USE

(57) Abstract: The invention provides novel polynucleotides, related polypeptides related nucleic acid and polypeptide compositions corresponding to novel human cDNA clones, and related modulators, such as antibodies and small molecule modulators. The invention also provides methods to make and use these polynucleotides, polypeptides, related compositions, and modulators. These methods include diagnostic, prophylactic and therapeutic applications. The compositions and methods of the invention are useful in treating proliferative disorders, e.g., cancers, and inflammatory, immune, bacterial, and viral disorders.



WO 2005/085280 A3